



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Infrastructure Security and Energy Restoration

ENERGY ASSURANCE DAILY

Monday Evening, May 02, 2016

Major Developments

Update: Spectra Clears Natural Gas from Surrounding Pipelines after Texas Eastern Pipeline Explosion in Pennsylvania April 29; Delmont Compressor to Remain Shut May 3

Spectra Energy Corp, the parent company of Texas Eastern Transmission Co. (TETCO), said it completed the removal of natural gas from its Texas Eastern transmission system in the area surrounding the site of Friday morning's pipeline explosion and fire. A 30-inch pipeline downstream of the Delmont Compressor Station exploded at 8:13 a.m. EDT on Friday in Salem Township, Pennsylvania. There are four parallel Texas Eastern natural gas transmission lines in the affected pipeline right-of-way, which were all isolated within an hour of the incident. The cause of the explosion was still unknown, and the companies continue to work with the Pipeline and Hazardous Materials Safety Administration to investigate the incident. As a result, TETCO declared force majeure on April 29 due to an unplanned outage downstream of its Delmont Compressor Station, which remains in effect. On May 1, TETCO issued a capacity constraint notice indicating that repair efforts to restore capacity were continuing, but that the return of capacity through the Delmont Compressor Station remains unknown. The notice also said flow through the compressor station would remain shut on gas day May 3. Spectra did not provide any indication as to when the unaffected pipelines would return to service, nor how long the removal and restoration of the impacted pipeline would last.

<http://www.spectraenergy.com/announcements/>

<https://infopost.spectraenergy.com/infopost/default.asp?pipe=TE>

Electricity

High Winds Knock Out Power to Over 39,000 Rocky Mountain Power Customers in Utah May 1

High winds with gusts up to 91 mph knocked out power to over 39,000 Rocky Mountain Power customers on Saturday night in northern Utah. The utility said while many outages were repaired overnight Saturday into Sunday, additional damage and outages continued Sunday afternoon. As of 3:30 p.m. EDT Monday, 2,539 customers remained without power. The utility said its goal was to have power restored to all customers affected by the storm by 11:00 p.m. EDT Monday night.

<https://www.rockymountainpower.net/about/nr/nr2016/ogden-outage.html>

<https://www.rockymountainpower.net/ed/po/uo.html>

Storms, High Winds Knock Out Power to Over 35,000 MLGW Customers in Tennessee April 30

Memphis Light, Gas and Water (MLGW) reported 35,500 customers in Shelby County, Tennessee had power knocked out when storms hit Saturday morning. The utility said strong wind gusts knocked down trees and power lines. By Sunday night power was fully restored.

<http://azimuth.mlgw.org/OutageSummary.php>

<https://twitter.com/MLGW>

NextEra Energy's 565 MW Duane Arnold Nuclear Unit in Iowa Reduced to 70 Percent by May 2

On the morning of May 1 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

STP's 1,251 MW South Texas Nuclear Unit 1 in Texas Shut May 1

The unit shut from full power due to a generator lockout.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160502en.html>

Update: Exelon's 1,116 MW Peach Bottom Nuclear Unit 2 in Pennsylvania at Full Power by May 1

On the morning of April 30 the unit was operating at 56 percent, reduced from 85 percent on April 29. On the morning of April 28 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Update: PPL's 1,111 MW Susquehanna Nuclear Unit 2 in Pennsylvania Ramps Up to 96 Percent by May 1

On the morning of April 30 the unit was operating at 85 percent, ramped up from 77 percent on April 29. The unit was operating at full power on April 28.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Update: Southern's 856 MW Hatch Nuclear Unit 1 in Georgia Ramps Up to 99 Percent by May 1

On the morning of April 30 the unit was operating at 63 percent, ramped up from 61 percent on April 29. The unit was operating at full power on April 28

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Exelon's 1,116 MW Peach Bottom Nuclear Unit 2 in Pennsylvania Reduced to 56 Percent by April 30

On the morning of April 29 the unit was operating at 85 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Update: Cabrillo Power's 300 MW Encina Gas-fired Unit 4 in California Returns to Service by May 1

The unit returned from an unplanned outage that began on April 28.

<http://content.caiso.com/unitstatus/data/unitstatus201605011515.html>

Mirant's 312 MW Pittsburg Gas-fired Unit 5 in California Reduced by May 1

The unit entered an unplanned curtailment of 172 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201605011515.html>

Arizona Corporation Commission Says Utilities Prepared for Summer Peak Demands April 28

Arizona Corporation Commissioners on April 28 reported electric and gas companies statewide will have reliable service during the hot summer months. Arizona Public Service Electric Company (APS), Salt River Project (SRP), Tucson Electric Power (TEP), UniSource Energy Services, Arizona G&T Cooperatives, Transwestern Pipeline Company, and El Paso Natural Gas all presented their "Summer Preparedness Plan" before the Commission. Those plans include the companies' estimated peak demands, a summary of their resources available to meet that demand, along with emergency, and communications plans in the event case of an outage. APS is projecting a peak demand of 6,986 MW with nearly 8,500 MW available resources to meet that demand. TEP is forecasting a 2,091 MW peak demand with over 2,800 MW available, and SRP estimates their peak demand at just over 6,700 with more than 8,000 MW available.

<http://www.azcc.gov/Divisions/Administration/news/2016Releases/04-28-2016%20Summer%20Preparedness.pdf?d=566>

DOE Reports 20 Workers Checked for Chemical Vapor Exposure at Hanford Nuclear Reservation in Washington April 28

The U.S. Department of Energy (DOE) reported April 28 that 20 workers at the Hanford Nuclear Reservation in Richland, Washington were sent for medical evaluation after experiencing headaches while transferring waste from the plant's AY102 tank back into its primary tank. Since 1989, the only work at the Hanford Site has been related to cleaning up the waste left behind. The site stores approximately 53 million gallons of high-level radioactive hazardous waste in underground tanks. The waste is housed in 149 single-shell tanks and 28 double-shell tanks. All 149 tanks are unfit for use, according to DOE, and the contents are supposed to be transferred to double-shelled tanks. The Associated Press reported the cleanup at Hanford is not likely to be completed until 2060 and will take \$107.7 billion to complete.

<https://www.rt.com/usa/341438-chemical-vapors-sicken-11-workers/>

Petroleum

Shell Reports Process Upset at Its 156,400 b/d Martinez, California Refinery April 30

Royal Dutch Shell reported a process upset that resulted in flaring at its Martinez, California, refinery on Saturday, according to a filing with the California Emergency Management Agency. Reuters, 9:36 May 1, 2016

Shell Reports Restarting Unit at Its Scotford, Alberta Facility May 1

Royal Dutch Shell reported restarting an unspecified unit at its Scotford, Alberta, facility on Sunday, according to a community information line. There will be intermittent flaring for the next 48 hours, the message added. The Scotford facility houses a 100,000 b/d refinery and a 255,000 b/d oil sands upgrader. Reuters, 9:21 May 1, 2016

TransCanada to Operate Its 590,000 b/d Keystone Pipeline at Reduced Capacity during May Repairs

TransCanada Corp said its Keystone pipeline would continue to operate at reduced capacity during repairs throughout the month of May, and until the U.S. Pipeline and Hazardous Materials Safety Administration (PHMSA) approves a full return to normal flows. Keystone, which ships heavy and light crude from Alberta to Cushing, Oklahoma, and Illinois, was shut on April 2 for eight days after a 400-barrel leak was discovered in South Dakota. A company spokesman TransCanada said permanent repairs and remaining restoration work on the site will take place in May, and further investigative activities and corrective measures required by PHMSA are planned for 2016. The spokesman added that the maintenance would not impact the company's ability to ship contracted volumes planned for May.

http://www.downstreamtoday.com/news/article.aspx?a_id=51987

Natural Gas

Regency Reports AGI Compressor Shut at Its 290 MMcf/d Waha Gas Plant in Texas April 30

Regency reported the acid gas injector (AGI) compressor shut on low suction pressure. The AGI compressor was reset and restarted and the suction valve operation set point was checked.

<http://www2.tceq.texas.gov/oce/eei/index.cfm?fuseaction=main.getDetails&target=232448>

UGI Receives FERC Approval to Build 200,000 Dth/d Sunbury Natural Gas Pipeline in Pennsylvania May 2

UGI Sunbury, a subsidiary of UGI Energy Services, on Monday received a certificate of public convenience and necessity from the Federal Energy Regulatory Commission (FERC) to construct and operate the 35-mile long, 20-inch Sunbury Pipeline, which will deliver incremental natural gas supplies to homes and businesses in central Pennsylvania. One of the primary end-users will be the 1,124 MW Hummel Station combined-cycle natural gas-fired power plant, which is currently under construction at the site of the shuttered coal-fired Sunbury Generation Facility near Shamokin Dam in Snyder County. The pipeline originates in eastern Lycoming County, extending south through Montour, Northumberland, and Union counties before terminating at the Hummel Station. Construction of the Sunbury Pipeline is expected to be completed as early as November 2016.

<http://sunburypipeline.com/sunbury-pipeline-receives-ferc-approval-pipeline-will-support-regions-increasing-demand-for-natural-gas/>

Atlantic Coast Pipeline Project from West Virginia to North Carolina Anticipates Delay in Construction to Summer 2017

The proposed Atlantic Coast Pipeline project recently announced it anticipates a delay in the start of construction until the summer of 2017. The project, a joint venture whose partners include Dominion Resources and Duke Energy, had hoped to begin construction this fall. The 42-inch, 600-mile pipeline would begin in West Virginia and terminate in North Carolina. Atlantic Coast's spokesman said the project believes the interstate pipeline can still hit its target in-service date of late 2018 if construction moves forward in the summer of 2017. The pipeline project has applied to FERC for the certificate needed to launch construction and FERC is preparing a draft environmental impact statement for the pipeline. Atlantic Coast said its construction delay reflects an extraordinarily thorough and comprehensive review of the pipeline by FERC. The project also hit snags when the U.S. Forest Service rejected a proposed pipeline route through the George Washington National Forest in Virginia and the Monongahela National Forest in West Virginia.

<https://www.dom.com/corporate/what-we-do/atlantic-coast-pipeline/ferc-filings-and-information>

Reuters, 8:11 April 29, 2016

Other News

Nothing to report.

International News

Colombia's Ecopetrol Shuts Its 210,000 b/d Cano-Limon Covenas Oil Pipeline after Rebel Attack April 29

Colombian state-run oil company Ecopetrol stopped pumping on its 485-mile Cano-Limon Covenas oil pipeline after a rebel bombing that sent crude spilling into a nearby river, a source at the company told Reuters on Friday. Clean-up crews were working to contain the spill, the company said, which so far was several miles away from drinking water sources. President Juan Manuel Santos blamed the leftist National Liberation Army (ELN) rebel group for the attack. Cano-Limon transports crude daily from oil fields operated by Occidental Petroleum, near the border with Venezuela, to the Caribbean port of Covenas.

Reuters, 8:03 April 29, 2016

Iraq's Southern Oil Exports Reach 3.3 Million b/d April – Oil Ministry

Iraq exported oil at an average rate of 3.364 million b/d in April, higher than the March average of 3.286 million b/d, an Oil Ministry spokesman said on Sunday. The figure is for exports by the central government in Baghdad which is now only shipping crude from the southern terminals, and not through a northern pipeline to Turkey.

Reuters, 4:17 May 1, 2016

Energy Prices

| U.S. Oil and Gas Prices May 2, 2016 | | | |
|--|-------|----------|----------|
| | Today | Week Ago | Year Ago |
| CRUDE OIL West Texas Intermediate U.S. \$/Barrel | 44.70 | 41.62 | 58.87 |
| NATURAL GAS Henry Hub \$/Million Btu | 1.91 | 1.90 | 2.56 |

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

Please direct comments and questions to: ead@oe.netl.doe.gov